

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : C12N 5/00, A61L 15/00, 27/00, C08L 5/00		A2	(11) International Publication Number: WO 00/49135
			(43) International Publication Date: 24 August 2000 (24.08.00)
(21) International Application Number: PCT/GB00/00145		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 21 January 2000 (21.01.00)		Published <i>Without international search report and to be republished upon receipt of that report</i>	
(30) Priority Data: 9901272-6 21 January 1999 (21.01.99) GB 9903561-0 17 February 1999 (17.02.99) GB			
(71) Applicant (for all designated States except US): ADVANCED MEDICAL SOLUTIONS LIMITED [GB/GB]; Road Three, Winsford Industrial Estate, Winsford, Cheshire CW7 3PD (GB).			
(72) Inventors; and (75) Inventors/Applicants (for US only): HAMILTON, Douglas, William [GB/GB]; Heyes Park, Hartford, Northwich, Cheshire CW8 2AJ (GB). IVES, Christopher, Louis [GB/GB]; Rose Farm, Stonely Green, Nantwich, Cheshire CW5 8QA (GB). MIDDLETON, Ian, Philip [GB/GB]; 7 Kingsley Road, Boughton, Chester CH3 5RR (GB). ROSSETTO, Chiara [GB/GB]; 20 Vose Close, Hood Manor, Warrington, Cheshire WA5 1EW (GB).			
(74) Agent: ATKINSON, Peter, Birch; Marks & Clerk, Sussex House, 83-85 Mosley Street, Manchester M2 3LG (GB).			
(54) Title: CELL GROWTH			
(57) Abstract  A substrate for cell growth comprises a polysaccharide and a cell adhesion protein provided at the surface of the substrate. The polysaccharide may for example be an alginate and the cell adhesion protein may be fibronectin, vitronectin or von Willebrand protein. The substrate may for example be a fibre and may be produced by extruding a solution containing dissolved polysaccharide and cell adhesion protein into a coagulation bath so that a substrate comprised of a basal layer of the polysaccharide and surface layer of cell adhesion protein is precipitated.			

09889715-012802